

Sustainability in Education:

Education has become more vital than ever before in determining how people and local communities prosper in today's global economy. In this context it is important to ensure the quality of infrastructure in educational institutions which will create a congenial environment for learning. Infrastructural deficiencies in educational institutions have turned out to be a huge deterrent to achieve this.

Access to reliable electricity is one such big deficiency and has created a huge gap in the quality of education between the urban and rural areas. In this context, access to renewable (Solar) energy solutions can be a critical enabler for educational institutions to overcome the barriers and provide quality education to students.

SELCO's Interventions:

- Smart Anganwadi
 - Content for age 0 to 6 yrs.
 - Basic Energy Access
- Digital Classrooms in Schools
 - Content for class 1 to 12
 - Teachers' Training
- Hostel Lighting
- School Electrification
- Solar Labs for ITIs
- Solutions for University Campuses
- Solutions for Schools of specially abled students



SELCO is a social enterprise established in 1995 with the philosophy of poverty alleviation through enabling access to sustainable energy solutions and services to under-served households, institutions and businesses in rural areas.

EDUCATION

sustainable learning practices



Digital Classrooms in Schools

Features

Content

Offline content accessible through a licensed app for 5 years.

Content aligned to NCERT and mapped to State syllabus.

Math	Vernacular Grammar
Science	Experiments
Social Science	Science & Maths Tools
English Grammar	

Content Language	Vernacular and English
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Grades	Content for grades 1 to 12
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Training	One day teachers training
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Solar back up	5-6 hours of daily usage
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Display unit	50 inch LED android TV
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Classroom Size	Suitable for a classroom with student size of 40-50
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Hostel Lighting

Features

- Customized solutions for each hostel based on site survey
- Lighting solutions in common areas of the hostel- Study areas, dining hall, wash rooms and corridors.
- Bright and efficient LED lights (5W, 10W LED lights) powered through solar energy. Systems will be designed with a backup for 6-7 hours of daily usage
- Participation of the students and hostel authorities in determining the placing of the lights in the hostel
- Training to wardens and students about system usage and maintenance

Smart Anganwadi

Features

- Solar power system to power lights, fan and digital classroom set up. System designed for a daily usage of 5-6 hours.
- LED lights and a pedestal fan to meet the daily needs of the center
- Game based digital content suitable for Agnawadi children with one year content license. The content can be used to teach the students numericals, alphabets and other basics.
- One day training to the Anganwadi workers about the system usage and maintenance
- 22" TV to display the digital content
- Preloaded content on a 10" tablet connected to TV via chromecast



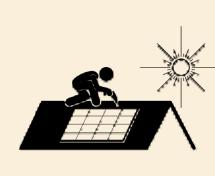
Approach



Identification



Site Survey



Installation



Service

Financial Model

Alumni Associations, Local NGOs, Farmer Groups, Teacher Groups, SDMC

District & Special Funds (BADP, ADP, DMF)

Corporate CSR

Private Philanthropy

Public Sector Funds

Local Area Funds (MPLAD, MLACDSD)



Did You Know?

- Only **14%** of government schools in India have access to functional ICT Labs.
- Only **33.9%** schools have have internet connectivity and **47.5%** of schools have computer facilities.
- Between 2018 & 2022, the government school enrolment rates have gone up by **7.3%**.
(Source: ASER, Samagra Siksha)

Scan the QR code to watch our video on Rural Education



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